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IN - LEE S M; PARK J S

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PA - (KOKU-N) KOREA KUMHO PETROCHEMICAL CO LTD

PN - KR373183 B 20030225 DW200345 C08K3/00 000pp

- KR2002029157 A 20020418 DW200274 C08K3/00 001pp

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AB - KR2002029157 NOVELTY - Provided is a process for producing polymer nanocomposites by intercalating polymers between organized montmorillonites easily by using a solvent method and a compounding method.

- DETAILED DESCRIPTION - The process for producing the polymer nanocomposites comprises the steps of: preparing a master batch by dissolving 100pts.wt. of a polymer resin such as polypropylene or polystyrene in 100-600pts.wt. of a solvent such as xylene or tetrahydrofuran and then mixing the solution with 50-100pts.wt. of the organized montmorillonites and drying; mixing and melting the master batch and the polymer resin, wherein the organized montmorillonites of the master batch is 5-10pts.wt. based on the 100pts.wt. of the polymer resin.

- (Dwg.1/10)

IW - PROCESS PRODUCE POLYMER

IKW - PROCESS PRODUCE POLYMER

INW - LEE S M; PARK J S

NC - 001

OPD - 2000-10-12

ORD - 2002-04-18

PAW - (KOKU-N) KOREA KUMHO PETROCHEMICAL CO LTD

TI - Process for producing polymer nanocomposites